

# High School to College and Career Pathway: Post-Secondary

Area of Study: Technology & Engineering Educ

Pathway: Pre-Engineering

Region: Wasatch Front	District:	School:	<b>College/Institution: Salt Lake Community College</b> Articulation Agreement in place? Yes <b>Name of Degree: CAD/CAM Engineering Technology, A.S.</b>
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High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
	ENGL 1010 Intro to Writing*	1	3	ENGL 1010	Introduction to Writing	3
				ENGL 2010	Intermediate Writing	3
	MATH 1210 Calculus I*	1	4	MATH 1210	Calculus I	4
	HIST 1700 American Civilization*	1	3	HIST 1700	Amer Civilization <u>or</u> ECON 1740 <u>or</u> POLS 1100	3
	HLAC 1096*	.5	1	HLAC ____	Lifelong Wellness course	1
	COMM 1010*	1	3	COMM 1010	Elem Effect Comm <u>or</u> COMM 1020 Princ Pub Spk	3
	CIS 1020*	.5		CIS 1020	Computer Essentials or computer literacy (3)	
	1 course from each area: BiolSci,* FineArts, Humani, Interdis, SocSci	5	15		Distribution: 1 course (3 credits) from each area: BiolSci, FineArts, Humanities, Interdisc, SocSci	15

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Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
<b>Course #</b>	<b>Foundation Courses: (2.50 required)</b>	<b>Credit</b>				
21.0104	Foundations of Technology	.50				
21.0115	Engineering Design	.50				
21.0116	Materials & Processing Electronics	.50				
21.0114	Pre-Engineering (capstone course)	1.00				
	<b>Elective Courses: (choose 1.50 credits)</b>					
48.0101	Drafting/CAD	1.00				
47.0105	Electronics	1.00				
52.0621	Entrepreneurship	.50				
08.0707	Marketing, Introduction	.50				
32.0199	Student Internship (Critical Workplace Skills)	.50				
				EDDT 1010	Technical Drafting I	3
				EDDT 1100	Advanced AutoCAD	2
				EDDT 2180	Electronic Drafting	3
				EDDT 2340	Manufacturing Processes	3
				EDDT 2350	Manufacturing Lab	1
				EDDT 2540	Geometric Dimension & Tolerance	2
				EDDT 2600	3D CAD Modeling	3
				MAT 1600	CNC Machine Theory	3
				MAT 1610	CNC Machining Lab	1
				MAT 2650	CAD/CAM	2
	<b>Additional Articulated Classes</b>					
15.1302	CAD Drafting Technology*	.5	3 ⇨	EDDT 1040	Intro to AutoCAD	3
	PHYS 2010*	1	4 ⇨	PHYS 2010	College Physics I	4
	PHYS 2015*		1 ⇨	PHYS 2015	College Physics Lab I	1
<b>TOTAL Potential Credits Earned in High School</b>			<b>37</b>	<b>TOTAL Credits Required for Degree or Certificate</b>		<b>63</b>

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** \* = concurrent ^ = distant

**Note:** Requirements may change year-to-year. It is the student's responsibility to verify information by consulting with an SLCC department advisor.

**NOTE: FOR STUDENTS WISHING TO PURSUE A B.S. DEGREE, THIS SLCC PROGRAM IS DESIGNED TO TRANSFER INTO THE CAD/CAM ENGINEERING TECHNOLOGY BACHELOR OF SCIENCE DEGREE PROGRAM AT SOUTHERN UTAH UNIVERSITY IN CEDAR CITY, UTAH.**